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GR. 2106

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PATENT APPLICATION



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Mark D. Owen

Group Art Unit: 2106

Application No. 08/276,797

Filed: July 18, 1994

For: ULTRAVIOLET LASER SYSTEM  
FOR FORMING VIAS IN  
MULTI-LAYERED TARGETS

Date: January 29, 1996

Examiner: Greg Mills

FEB 13 1996  
GROUP 2100

AMENDMENT

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

In response to the November 2, 1995 Office action, please amend the above-identified patent application as follows.

Inventors' Names:

After "Mark D. Owen," insert --James N. O'Brien--.

In the Claims:

Amend claims 1, 3, 6, 7, 22, 26, and 27 as follows.

1. (Amended) A method for laser processing a multi-layered target including at least two layers having different chemical compositions [with respective first and second optical absorption characteristics responsive to ultraviolet light], comprising:

generating high power ultraviolet laser output pulses having a predetermined spatial spot size, a wavelength shorter than about 400 nm, a temporal pulse width shorter than about 100 ns, and an average output power of greater than about 100 mW measured over the spatial spot size; and

applying the laser output pulses to the target so that the laser output pulses cleanly remove at least two layers within the spatial spot size.